

AMENDMENTS TO THE CLAIMS

The following is the complete Claim Listing, including the present status of the Claims and marked up to show the changes made.

WHAT IS CLAIMED IS:

1. (original) An adenoviral expression library comprising a plurality of recombinant adenoviruses, each recombinant adenovirus being deleted for an essential gene of a late transcriptional region of adenoviral genome and having the essential gene expressibly cloned in a second transcriptional region of adenoviral genome, each recombinant adenovirus further comprising an expressible piece of exogenous DNA.
2. (currently amended) An adenoviral expression library according to claim 50 1, wherein the essential gene of a late transcriptional region is the gene of adenovirus protease.
3. (currently amended) An adenoviral expression library according to claim 51 2, wherein the second transcriptional region is an early transcriptional region.
4. (currently amended) An adenoviral expression library according to claim 52 3, wherein the early transcriptional region is selected from the group consisting of E1, E2, E3 and E4 transcriptional regions.
5. (currently amended) An adenoviral expression library according to claim 53 4, wherein the early transcriptional region is E1 transcriptional region.

6. (currently amended) An adenoviral expression library according to claim 54
2, wherein the essential gene is a part of a first expression cassette.
7. (currently amended) An adenoviral expression library according to claim 55
6, wherein the expressible piece of exogenous DNA is a part of the first expression cassette.
8. (currently amended) An adenoviral expression library according to claim 56
7, wherein the first expression cassette is a dicistronic cassette.
9. (currently amended) An adenoviral expression library according to claim 57
8 wherein the first expression cassette comprises a regulatable promoter.
10. (currently amended) An adenoviral expression library according to claim
58 9 wherein the regulatable promoter is an inducible promoter.
11. (currently amended) An adenoviral expression library according to claim
59 10, wherein the inducible promoter is a tetracycline-inducible promoter.
12. (currently amended) An adenoviral expression library according to claim
51 2, wherein the expressible piece of exogenous DNA is a part of a second expression cassette.
13. (currently amended) An adenoviral expression library according to claim
64 12, wherein the second expression cassette comprises a regulatable promoter.

14. (currently amended) An adenoviral expression library according to claim 62 13, wherein the regulatable promoter is an inducible promoter.

15. (currently amended) An adenoviral expression library according to claim 63 14, wherein the inducible promoter is a tetracycline-inducible promoter.

16. (currently amended) An adenoviral expression library according to claim 54 2, wherein the expressible piece of exogenous DNA is derived from a DNA library.

17. (currently amended) An adenoviral expression library according to claim 54 2, wherein the expressible piece of exogenous DNA is a DNA fragment expressing antisense RNA fragment for a protein gene or a cis-acting element regulating gene expression.

18. (currently amended) An adenoviral expression library according to claim 66 17, wherein the cis-acting element regulating gene expression is selected from the group consisting of promoters (TATA boxes), enhancers, suppressers, IRES, polyA, termination sequences, and UTR sequences of messages that regulate the stability and/or transport of mRNA.

19. (currently amended) An adenoviral expression library according to claim 54 2, said library having diversity of at least 10^3 clones.

20. (currently amended) An adenoviral expression library according to claim 62 13, said library having diversity of at least 10^6 clones.